

Inkyu Shin | Curriculum Vitae

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I am a Master candidate in Robotics and Computer Vision Lab at Korea Advanced Institute of Science and Technology (KAIST) under the supervision of Prof. In So Kweon since 2019. I will continue to proceed as a Ph.D. candidate from Feb 2021.

Research Interests

My research interests currently lie in computer vision. Specifically, I pursue the goal to build domain adaptive recognition in computer vision, which handles data hungry problem in deep learning. Followings are my main research topics.

- Image Translation
- Domain Adaptation (Image, Video)
- Self-supervised Learning

Education

- **Korea Advanced Institute of Science and Technology (KAIST)** **Daejeon, Korea**
AUTOMOTIVE ENGINEERING M.S degree, Advisor: In So Kweon *2019–*
- **Hanyang University (HYU)** **Seoul, Korea**
AUTOMOTIVE ENGINEERING B.S degree *2013–2019*

Publications

International Conference.....

- **LabOR: Labeling Only if Required for Domain Adaptive Semantic Segmentation**
Inkyu Shin, Dong-jin Kim, Jaewon Chon, Sanghyun Woo, Kwanyong Park, In So Kweon
Conference on Neural Information Processing Systems (**ICCV**), 2021 (**Oral**)
- **Discover, Hallucinate, and Adapt: Open Compound Domain Adaptation for Semantic Segmentation**
Kwanyong Park, Sanghyun Woo, **Inkyu Shin**, In So Kweon
Conference on Neural Information Processing Systems (**NeurIPS**), 2020
- **Two-phase Pseudo Label Densification for Self-training based Domain Adaptation**
Inkyu Shin, Sanghyun Woo, Fei pan, In So Kweon
European Conference on Computer Vision (**ECCV**), 2020
- Also presented at "Visual Learning with Limited Labels" Workshops in conjunction with (**CVPR**), 2020
- **Unsupervised Intra-domain Adaptation for Semantic Segmentation through Self-Supervision**
Fei pan, **Inkyu Shin**, Francois Rameau, Seokju Lee, In So Kweon
Computer Vision and Pattern Recognition (**CVPR**), 2020 (**Oral**)
- **Image-to-Image Translation via Group-wise Deep Whitening-and-Coloring Transformation**
Wonwoong Cho, Sungha Choi, David Keetae Park, **Inkyu Shin**, Jaegul Choo

Computer Vision and Pattern Recognition (**CVPR**), 2019 (**Oral**)

IT skills

- Languages: Python, MATLAB, C, LATEX
- Libraries: PyTorch

References

- **In So Kweon**, Professor, KAIST
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Service

- Military Service: Graduated from US Army Sergeant school(WLC) as KATUSA.